

VINYL ADDITION POLYCYCLIC OLEFIN POLYMERS PREPARED WITH NON-OLEFINIC CHAIN TRANSFER AGENTS AND USES THEREOF

Patent number: WO2004076495
Publication date: 2004-09-10
Inventor: RHODES LARRY F (US); BARNES DENNIS A (US); BELL ANDREW (US); BENNETT BRIAN K (US); CHANG CHUNG (US); LIPIAN JOHN-HENRY (US); WU XIAOMING (US)
Applicant: PROMERUS LLC (US); RHODES LARRY F (US); BARNES DENNIS A (US); BELL ANDREW (US); BENNETT BRIAN K (US); CHANG CHUNG (US); LIPIAN JOHN-HENRY (US); WU XIAOMING (US)
Classification:
 - international: C08F2/00; C08F4/80; C08F30/08; C08F36/00; G03C1/76; G03F7/004; G03F7/039; C08F; C08F2/00; C08F4/00; C08F30/00; C08F36/00; G03C1/76; G03F7/004; G03F7/039; (IPC1-7): C08F
 - european: C08F232/00; C08F232/08
Application number: WO2004US05002 20040220
Priority number(s): US20030448939P 20030221; US20040782547 20040219

Also published as:

WO2004076495 (A3)
 EP1597287 (A3)
 EP1597287 (A2)
 US2004229157 (A1)

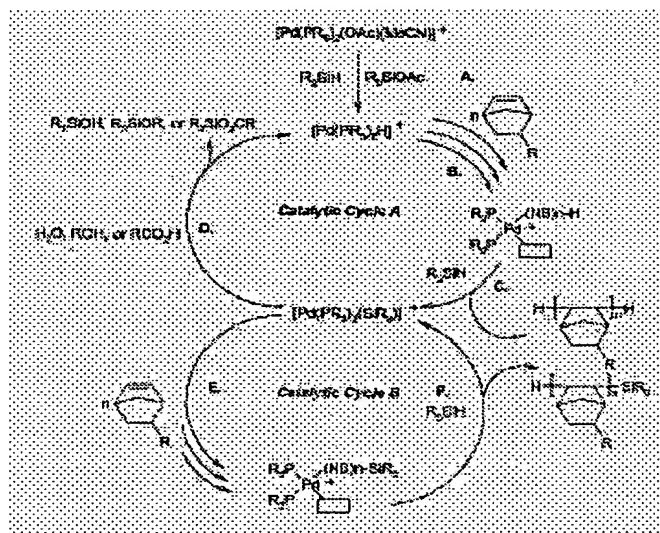
Cited documents:

US6569599
 US6589707
 US6369181
 US6472120
 US6410670
 more >>

Report a data error here

Abstract of WO2004076495

A method of polymerizing poly(cyclic)olefin monomers encompassing (a) combining a monomer composition containing the poly(cyclic) olefin monomers, a non-olefinic chain transfer agent and an activator compound to form a mixture; (b) heating the mixture; and (c) adding a polymerization catalyst containing Ni and/or Pd. The non-olefinic chain transfer agent includes one or more compounds selected from H₂, alkylsilanes, alkylalkoxysilanes, alkylgermanes, alkylalkoxygermanes, alkylstannanes, and alkylalkoxystannanes. The activator is characterized as having an active hydrogen with a pK_a of at least 5. The resulting poly(cyclic) olefin polymers can be used in photoresist compositions.



Data supplied from the esp@cenet database - Worldwide